

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5190	704/260,3,7,236,270.1,275,246,251.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:52
S2	1059	S1 and (TTS or "text-to-speech")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:09
S3	198	S2 and ((instant adj messag\$4) or IM or (conversation with messag\$4) or (((real adj time) or "real-time") with (communicat\$4 or messag\$4 or conversat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:18
S4	122	S3 and (speech with convert\$4 with text)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:19
S5	35	S4 and ((receiv\$3 or send\$3) with network with (speech or text))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:20
S6	1537	704/258.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:04
S7	21	S6 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:11

## EAST Search History

S8	250	S6 and (spring or induct\$3 or capacit\$3 or (contour adj model\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:05
S9	18	S8 and (linear adj (function or equation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:06

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11572	spring with coupl\$4 with (model or system or function)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:53
L2	387	l1 with frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:53
L3	46	l1 with pitch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:53
L4	430	l2 or l3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:53
L5	2	l4 with speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:54
L6	78	l1 and speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:54
L7	5	l6 and synthesis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:54

## EAST Search History

S1	5190	704/260,3,7,236,270.1,275,246,251.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 08:52
S2	1059	S1 and (TTS or "text-to-speech")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:09
S3	198	S2 and (((instant adj messag\$4) or IM or (conversation with messag\$4) or (((real adj time) or "real-time") with (communicat\$4 or messag\$4 or conversat\$4))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:18
S4	122	S3 and (speech with convert\$4 with text)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:19
S5	35	S4 and ((receiv\$3 or send\$3) with network with (speech or text))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 10:20
S6	1537	704/258.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:04
S7	21	S6 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:11

## EAST Search History

S8	250	S6 and (spring or induct\$3 or capacit\$3 or (contour adj model\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:05
S9	18	S8 and (linear adj (function or equation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/31 08:06

File 348:EUROPEAN PATENTS 1978-2007/ 200721

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File 349:PCT FULLTEXT 1979-2007/UB=20070525UT=20070518

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Set	Items	Description
S1	17479	(SPEECH OR NOISE?? OR UTTERANCE?? OR VOICE?? OR AUDIO OR AUDITORY) (3N) (SEGMENT? OR TRACK?? OR PORTION?? OR FRAGMENT??)
S2	5335	TTS OR TEXT(1W) SPEECH
S3	824278	CONSTANT?? OR VARIABLE??
S4	16983	(PITCH? OR TONE?? OR TONATION OR INTONATION? OR FUNDAMENTAL??) (3N) (FREQUENCY OR FREQUENCIES)
S5	94	S4 (3N) (SMOOTH? OR STRAIGHT? OR IMPROVE?? OR IMPROVING)
S6	0	S4 (3N) (CONTOUR() MODEL???)
S7	264	S1 (3N) (CONCATENAT? OR LINK?? OR LINKING OR JOIN?? OR JOINING OR UNITE?? OR UNITING)
S8	4912	SPRING(3N) COUPLED
S9	9563	LINEAR() FUNCTION??
S10	440	S9 (3N) (CALCULAT? OR ASSESS? OR DETERMIN? OR ADJUST?)
S11	6	AU=TALKIN, D? OR TALKIN D? OR DAVID(2N) TALKIN
S12	5522	S7 OR S2
S13	15	S12 (3N) S3
S14	0	S13 (3N) (S5 OR S6)
S15	0	S13 (3N) (S8 OR S10)
S16	3	S13 AND IC=G10L?
S17	0	S7 (3N) S8
S18	0	S7 (3N) S10
S19	0	S7 (3N) S4
S20	0	S11 (3N) S1

File 9:Business & Industry(R) Jul/1994-2007/May 25  
     (c) 2007 The Gale Group  
 File 15:ABI/Inform(R) 1971-2007/May 30  
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 File 20:Dialog Global Reporter 1997-2007/May 30  
     (c) 2007 Dialog  
 File 47:Gale Group Magazine DB(TM) 1959-2007/May 18  
     (c) 2007 The Gale group  
 File 75:TGG Management Contents(R) 86-2007/May W3  
     (c) 2007 The Gale Group  
 File 80:TGG Aerospace/Def.Mkts(R) 1982-2007/May 28  
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 File 98:General Sci Abs 1984-2007/May  
     (c) 2007 The HW Wilson Co.  
 File 112:UBM Industry News 1998-2004/Jan 27  
     (c) 2004 United Business Media  
 File 141:Readers Guide 1983-2007/Mar  
     (c) 2007 The HW Wilson Co  
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     (c) 1999 The Gale Group  
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 File 608:KR/T Bus.News. 1992-2007/May 29  
     (c)2007 Knight Ridder/Tribune Bus News  
 File 620:EIU:Viewswire 2007/May 29  
     (c) 2007 Economist Intelligence Unit  
 File 613:PR Newswire 1999-2007/May 30  
     (c) 2007 PR Newswire Association Inc  
 File 621:Gale Group New Prod.Annou.(R) 1985-2007/May 28  
     (c) 2007 The Gale Group  
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     (c) 2007 The Gale Group  
 File 647:CMP Computer Fulltext 1988-2007/Aug W3  
     (c) 2007 CMP Media, LLC  
 File 696:DIALOG Telecom. Newsletters 1995-2007/May 29  
     (c) 2007 Dialog  
 File 674:Computer News Fulltext 1989-2006/Sep W1  
     (c) 2006 IDG Communications  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	54850	(SPEECH OR NOISE?? OR UTTERANCE?? OR VOICE?? OR AUDIO OR A- UDITORY) (3N) (SEGMENT? OR TRACK?? OR PORTION?? OR FRAGMENT??)
S2	39214	TTS OR TEXT(1W) SPEECH

S3 2819142 CONSTANT?? OR VARIABLE??  
 S4 7686 (PITCH? OR TONE?? OR TONATION OR INTONATION? OR FUNDAMENTA-  
 L??) (3N) (FREQUENCY OR FREQUENCIES)  
 S5 43 S4 (3N) (SMOOTH? OR STRAIGHT? OR IMPROVE?? OR IMPROVING)  
 S6 0 S4 (3N) (CONTOUR() MODEL???)  
 S7 522 S1 (3N) (CONCATENAT? OR LINK?? OR LINKING OR JOIN?? OR JOINI-  
 NG OR UNITE?? OR UNITING)  
 S8 569 SPRING (3N) COUPLED  
 S9 6175 LINEAR() FUNCTION??  
 S10 99 S9 (3N) (CALCULAT? OR ASSESS? OR DETERMIN? OR ADJUST?)  
 S11 5 AU=TALKIN, D? OR TALKIN D? OR DAVID (2N) TALKIN  
 S12 39711 S7 OR S2  
 S13 19 S12 (3N) S3  
 S14 0 S13 (3N) S5  
 S15 0 S13 (3N) (S8 OR S10)  
 S16 17 S13 NOT PY>2002  
 S17 11 RD (unique items)  
 S18 0 S7 (3N) (S5 OR S6)  
 S19 0 S7 (3N) (S8 OR S10)  
 S20 0 S7 (3N) S8  
 S21 0 S7 (3N) S8  
 S22 0 S11 (3N) S1  
 S23 4 RD S11 (unique items)  
 ?



File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office  
File 347:JAPIO Dec 1976-2006/Dec(Updated 070403)  
(c) 2007 JPO & JAPIO  
File 350:Derwent WPIX 1963-2007/UD=200732  
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Set	Items	Description
S1	12311	(SPEECH OR NOISE?? OR UTTERANCE?? OR VOICE?? OR AUDIO OR A- UDITORY) (3N) (SEGMENT? OR TRACK?? OR PORTION?? OR FRAGMENT??)
S2	2257	TTS OR TEXT(1W) SPEECH
S3	1064666	CONSTANT?? OR VARIABLE??
S4	13272	(PITCH? OR TONE?? OR TONATION OR INTONATION? OR FUNDAMENTA- L??) (3N) (FREQUENCY OR FREQUENCIES)
S5	157	S4(3N) (SMOOTH? OR STRAIGHT? OR IMPROVE?? OR IMPROVING)
S6	1	S4(3N) (CONTOUR() MODEL???)
S7	166	S1(3N) (CONCATENAT? OR LINK?? OR LINKING OR JOIN?? OR JOINI- NG OR UNITE?? OR UNITING)
S8	7932	SPRING(3N) COUPLED
S9	3460	LINEAR() FUNCTION??
S10	311	S9(3N) (CALCULAT? OR ASSESS? OR DETERMIN? OR ADJUST?)
S11	4	AU=TALKIN, D? OR TALKIN D? OR DAVID(2N) TALKIN
S12	2400	S7 OR S2
S13	78	S12 AND S3
S14	1	S13 AND (S5 OR S6)
S15	1	S13 AND S8
S16	0	S15 NOT S14
S17	1	S13 AND S10
S18	0	S17 NOT S14
S19	1	S12 AND (S5 OR S6)
S20	0	S19 NOT S14
S21	1	S12 AND (S8 OR S10)
S22	0	S21 NOT S17
S23	1	S7 AND S8
S24	0	S23 NOT S17
S25	2	S11 AND S1

File 2:INSPEC 1898-2007/May W3  
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File 483:Newspaper Abs Daily 1986-2007/May 30  
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Set	Items	Description
S1	14923	(SPEECH OR NOISE?? OR UTTERANCE?? OR VOICE?? OR AUDIO OR AUDITORY) (3N) (SEGMENT? OR TRACK?? OR PORTION?? OR FRAGMENT??)
S2	9752	TTS OR TEXT(1W) SPEECH
S3	4467327	CONSTANT?? OR VARIABLE??
S4	47927	(PITCH? OR TONE?? OR TONATION OR INTONATION? OR FUNDAMENTAL??) (3N) (FREQUENCY OR FREQUENCIES)
S5	166	S4 (3N) (SMOOTH? OR STRAIGHT? OR IMPROVE?? OR IMPROVING)
S6	5	S4 (3N) (CONTOUR() MODEL???)
S7	145	S1 (3N) (CONCATENAT? OR LINK?? OR LINKING OR JOIN?? OR JOINING OR UNITE?? OR UNITING)
S8	728	SPRING(3N) COUPLED
S9	66877	LINEAR() FUNCTION??
S10	527	S9 (3N) (CALCULAT? OR ASSESS? OR DETERMIN? OR ADJUST?)
S11	17	AU=TALKIN, D? OR TALKIN D? OR DAVID(2N) TALKIN
S12	9870	S7 OR S2
S13	459	S12 AND S3
S14	0	S13 AND (S5 OR S6)
S15	0	S13 AND S8
S16	0	S13 AND S10
S17	3	S12 AND (S5 OR S6)
S18	2	RD (unique items)
S19	0	S12 AND S8
S20	0	S12 AND S10
S21	412	S1 AND S4
S22	0	S21 AND S8
S23	0	S21 AND S10
S24	1	S21 AND S9
S25	0	S7 AND S8
S26	0	S7 AND (S8 OR S10)

S27	46	S7 AND (SMOOTH? OR STRAIGHT? OR IMPROVE?? OR IMPROVING)
S28	27	S27 NOT PY>2002
S29	14	RD (unique items)
S30	0	S11 AND S1
?		